

Converting Colors

$Y_{xy}(20.1014, 0.2648, 0.2937)$

Have a look what the booklet for
Yxy(20.1014, 0.2648, 0.2937)
contains.

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Color

Yxy(19.9634, 0.2648, 0.2932)

Conversions

Conversions Part 1

Format	Color
Hex	647F92
RGB	100, 127, 146
RGB Percent	39%, 50%, 57%
CMY	0.6080, 0.5019, 0.4275
CMYK	0.32, 0.13, 0.00, 0.43
HSL	205°, 19%, 48%
HSV	205°, 32%, 57%
XYZ	18.0297, 19.9634, 30.0949
YIQ	121.0930, -22.1910, 0.1850

Conversions

Conversions Part 2

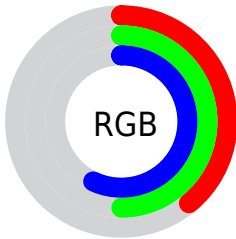
Format	Color
R_{YB}	100, 117, 146
Decimal	6586258
CIE _{Lab}	51.80, -4.93, -13.39
CIE _{LCh}	52, 14.270, 249.773
Yxy	19.9634, 0.2648, 0.2932
Android (android.graphics.Color)	4284776338 (0xFF647F92)
YUV	121.0930, 12.2792, -18.4986
Hunter-Lab	44.6804, -6.1614, -8.6590

Details

The Yxy color **19.9634, 0.2648, 0.2932** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **20.2110, 0.3717, 0.3621**, and the grayscale version is **19.1152, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.4880, 0.2754, 0.3017**, and **6.9788, 0.2464, 0.2793** is the 20% darker color. If you saturate the color by 10%, you get **17.6961, 0.2498, 0.2797**, and if you desaturate by 10%, it is **22.4744, 0.2801, 0.3057**.

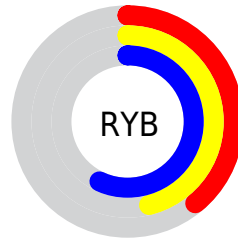
Distribution



Red (39%)

Green (50%)

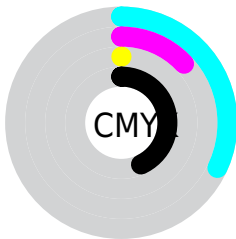
Blue (57%)



Red (39%)

Yellow (46%)

Blue (57%)

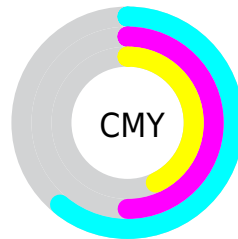


Cyan (32%)

Magenta (13%)

Yellow (0%)

Black (43%)



Cyan (61%)

Magenta (50%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.9634, 0.2648, 0.2932 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 19.9634, 0.2648, 0.2932 by changing the saturation by 10% instead.

■ 19.9634, 0.2648,
0.2932

■ 19.9634, 0.2648,
0.2932

■ 251.7169, 0.2917,
0.3137

■ 12.3684, 0.2569,
0.2870

■ 43.3558, 0.2754,
0.3014

■ 6.9951, 0.2459,
0.2782

■ 59.9221, 0.2791,
0.3042

■ 3.4591, 0.2296,
0.2650

■ 80.2475, 0.2822,
0.3066

■ 1.3758, 0.2035,
0.2428

■ 104.7166, 0.2847,
0.3085

■ 0.1988, 0.0478,
0.1388

■ 133.7137, 0.2869,
0.3101

■ 0.0000, 0.0000,
0.0000

167.6232, 0.2887,

0.3115

206.8294, 0.2903,
0.3127

■ 19.9634, 0.2648,
0.2932

■ 19.9634, 0.2648,
0.2932

■ 17.6961, 0.2498,
0.2797

■ 22.4744, 0.2801,
0.3057

■ 15.6605, 0.2354,
0.2653

■ 25.2358, 0.2954,
0.3172

■ 13.8471, 0.2220,
0.2501

■ 28.2566, 0.3105,
0.3275

■ 12.2445, 0.2102,
0.2346

■ 31.5449, 0.3250,
0.3368

■ 10.8400, 0.2001,
0.2190

■ 35.1082, 0.3390,
0.3450

■ 9.6188, 0.1920,
0.2035

■ 38.9538, 0.3522,
0.3524

■ 8.6967, 0.1863,
0.1906

■ 43.0888, 0.3648,
0.3588

■ 47.5196, 0.3765,
0.3644

■ 52.2529, 0.3875,
0.3694

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



19.9634, 0.2638, 0.3114



19.9634, 0.2648, 0.2932



19.9634, 0.2780, 0.2853

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



19.9634, 0.2648, 0.2932



19.9634, 0.3511, 0.3208



19.9634, 0.3231, 0.3739

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



19.9634, 0.2648, 0.2932



20.2110, 0.3717, 0.3621

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



19.9634, 0.3474, 0.3748



19.9634, 0.2648, 0.2932



19.9634, 0.3642, 0.3431

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



19.9634, 0.2648, 0.2932



19.9634, 0.3275, 0.3012



19.9634, 0.3627, 0.3629



19.9634, 0.2968, 0.3594

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



19.9634, 0.2648, 0.2932



19.9634, 0.2923, 0.2862



19.9634, 0.3627, 0.3629



19.9634, 0.3318, 0.3758

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



19.9642, 0.2648, 0.2932



45.7314, 0.2990, 0.3197



24.5805, 0.2922, 0.3816



10.0221, 0.2970, 0.3183



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



19.9642, 0.2648, 0.2932



32.2830, 0.2539, 0.2835



14.7975, 0.2597, 0.2488



6.1652, 0.2989, 0.3197



7.6981, 0.1865, 0.1914



0.1525, 0.2052, 0.2587

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



16.7505, 0.3416, 0.2828



26.0093, 0.3506, 0.2719



26.1955, 0.3608, 0.3982



5.8691, 0.3196, 0.3161



5.9705, 0.4551, 0.2281



0.0790, 0.3837, 0.1887

Previews

White Background



This preview shows how the Yxy color 19.9634, 0.2648, 0.2932 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 19.9634, 0.2648, 0.2932 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

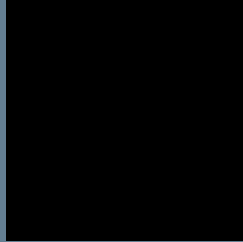
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

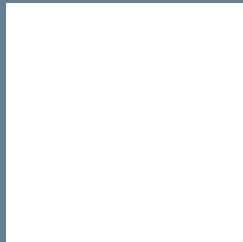
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.9634, 0.2648, 0.2932

Background



This preview shows how black text looks on a background with the Yxy color 19.9634, 0.2648, 0.2932.

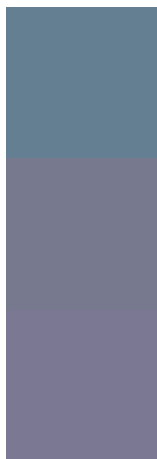


This preview shows how white text looks on a background with the Yxy color 19.9634, 0.2648, 0.2932.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

19.9634, 0.2648, 0.2932

Protanopia

19.8242, 0.2866, 0.2910

Deuteranopia

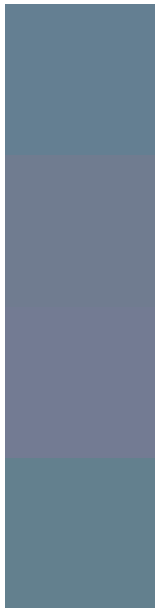
19.7505, 0.2868, 0.2811



Tritanopia

19.8991, 0.2693, 0.3077

Trichromacy



Original Color

19.9634, 0.2648, 0.2932

Protanomaly

19.8737, 0.2782, 0.2922

Deuteranomaly

19.9173, 0.2784, 0.2855

Tritanomaly

20.0440, 0.2676, 0.3023

Monochromacy



Original Color

19.9634, 0.2648, 0.2932

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

19.2883, 0.2933, 0.3156

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9634, 0.2648, 0.2932 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(100, 127, 146)` looks like.

```
.text, #text, p{  
    color:rgb(100, 127, 146)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(100, 127, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 127, 146) }
```

Border

The CSS property to change the border of an element to Yxy 19.9634, 0.2648, 0.2932 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(100, 127, 146) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(100, 127, 146) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(100, 127, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 127, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 127, 146);  
box-shadow:4px 4px 4px 4px rgb(100, 127,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9634, 0.2648, 0.2932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 127, 146) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(100,  
127, 146) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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